From:

Laura J. Andres

To:

Raymond DeGiorgio

CC:

BCC:

Sent Date: Received Date: 2005-10-03 14:26:43:000 2005-10-03 14:26:45:000

Subject:

Re: Hot Alert for the 2006 Chevy Impala Special

Attachments:

Rav.

I am turning the vehicle in this week. Did you still want to look at it? Laura

Raymond DeGiorgio

**Raymond DeGiorgio** 

08/31/2005 07:48 AM

Laura J. Andres/US/GM/GMC

Donald J. Armstrong/US/GM/GMC Ed Koerner/US/GM/GMC

cc: Daniel Oliver/US/GM/GMC Donald J Armst Zito/US/GM/GMC@GM, Richard A. McCarthy/US/GM/GMC TERRY TYUS/US/GM/GMC

Re: Hot Alert for the 2006 Chevy Impala Special Subject:

This is a completely different column/ignition switch system than what is used on the Solstice.

This column/ switch configuration was first introduced on the GMX 270 in 2000, never been an issue. I recently drove an '06 CTF Impala and did not experience this condition. I have also monitored all the CTF reports and there has not been any incidents reported similar to the ones you described.

Are you still in possession of this vehicle? I would like to take a look at it if you still do. Please contact me at

Regards

Ray DeGiorgio GM - DE Ignition Switch

Laura J. Andres

Laura J. Andres

08/30/2005 03:39 PM

Raymond DeGiorgio/US/GM/GMC
TERRY TYUS/US/GM/GMC
LEG Koerner/US/GM/GMC
TERRY TYUS/US/GM/GMC
Lisa D. Weber/US/GM/CMC
t Alert for the 2000 C. James L. Zito/US/GM/GMC cc: Richard A. McCarthy/US/GM/GMC Jr./US/GM/GMC Raymond DeGiorgio/U Larry S. Dickinson Michael P Sciarra/US/GM/GMC Lisa D. Weber/US/GM/GM0 Ronald J. Dershem/US/GM/GMC

Subject: Re: Hot Alert for the 2006 Chevy Impala Special

Jim.

I picked up the vehicle from repair. No repairs were done. The technician demonstrated for me what he thought might have happened, that the ignition detent might not have been completely forward, because there is no strong tactile feedback to know it is in position and the "pothole" bump had the switch slip into off position. That looked liked what I had experienced, because I did not bump the switch with my knee. The technician said other PEP drivers have complained about this on the Solstice, because they have bumped the switch with their knee and have had the same experience. The technician said there is nothing they can do to repair it. He said it is just the design of the switch. He said other switches, like on the trucks, have a stronger detent and don't experience this.

I think this is a serious safety problem, especially if this switch is on multiple programs. I'm thinking big recall. I was driving 45 mph when I hit the pothole and the car shut off, and I had a car driving behind me that swerved around me. I don't like to imagine a customer driving with their kids in the back seat, on I-75 and hitting a pothole, in rush hour traffic. I think you should seriously consider changing this part to a switch with a stronger detent.

Laura

James L. Zito

James L. Zito

Laura J. Andres/US/GM/GMC To:

08/30/2005 01:00 PM

Subject Re: Hot Alert for the 2006 Chevy Impala Special

Forwarded by James L. Zito/US/GM/GMC on 08/30/2005 01:00 PM ---

James L. Zito

08/30/2005 10:10 AM

Richard A. McCarthy/US/GM/GM

cc: Donald J. Armstrong/US/GM/GMC Larry S. Dickin Daniel Oliver/US/GM/GMC@GM, Michael P. Sciarra/US/GM/GMC

Larry S. Dickinson Jr./US/GM/GMC Raymond DeGiorgio/US/GM/GMC a/US/GM/GMC TERRY TYUS/US/GM/GMC

Subject: Re: Hot Alert for the 2006 Chevy Impala Special

All.

I went over to the STG garage and inspected (, banged and pulled on) the wiring and connections at the BCM, ECM, Ignition Switch, Steering Column inline and

underhood BEC and found no problems. The technician drove the car for 400 miles including bumpy roads and could not duplicate. The technician thinks the driver may have bumped the key or key ring when going over the bump.

I evaluated the ignition switch operation and found that I could get the switch to snap back from crank, back through the run detent. If this happens, a bump could cause the key to rotate back to the accessory position and shut the engine off. I've noticed this on other GM vehicles that I get through the PEP program. Although I could get the GMX211 ignition switch to snap back, it was harder to do than the other ones I have experienced. I also evaluated my Monte Carlo CTF and found it difficult to get a snap back past the Run detent.

Jim Zito

## Richard A. McCarthy



Larry S. Dickinson Jr./US/GM/GMC
James L. Zito/US/GM/GMC
Donald J. Armstror
ct: Re: Hot Alert for the 2006 Chevy Impala Special Donald J. Armstrong/US/GM/GMC

FYI.

Rick

Electrical VSE, GMX211/231

The "Detents" in this ignition switch were first introduced on the GMX 270 Program back in 2000. They were also used on the GMT201 a couple of years ago and most recently on the GMX 365 Program. To date there has never been any issues with the detents being too light. (Note: even thou these vehicles are not DLIS they are mechanically the same.)

Ray

## James L. Zito

James L. Zito

Raymond DeGiorgio/US/GM/GMC Richard A. McCarthy/US/GM/GMC

08/29/2005 01:06 PM

Re: Hot Alert for the 2006 Chevy Impala Special Subject

Ray,

Do we have any history with the ignition switch and far as it being sensitive to road bumps?

Forwarded by James L. Zito/US/GM/GMC on 08/29/2005 01:05 PM ----

Richard A. McCarthy

To James L. Zito/US/GM/GM0 Lisa D. Weber/US/GM/GMC

Lisa D. Weber/US/GM/GM0 TERRY TYUS/US/GM/GM

08/29/2005 12:51 PM

Subject: Re: Hot Alert for the 2006 Chevy Impala Special

Jim, this was the case referred to in the VME I forwrded to you last thursday. Any conclusions?

Rick

Electrical VSE, GMX211/231

LARRY

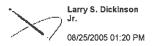
From a Powertrain viewpoint - I am not aware of any road impact conditions that should cause the engine to quit running

MAKE TODAY A GREAT DAY

DON

**Don's People Finder Info** 

Larry S. Dickinson Jr.



Steve Bernardi/US/GM/GMO Donald J. Armstrong/US/GM/GMC

Ronald J. Dershem/US/GM/GMO

Subject: Hot Alert for the 2006 Chevy Impala Special Richard A. McCarthy/US/GM/GMC

Don and/or Rick, Is this a condition we would expect to occur under some impacts? Seems like we would not the pothole validation that occurs in Milford with this failure mode. Please have the proper people root cause working with the Warren service garage and get back to me.

## LSD Jr.

<<----|| Chevy Impala Special (1) ||---->> ANDRES, LAURA PHONE: EMAIL: VIN: PRB.: 90304 - Stumbles/hesitates/dies-Where-Steady highway driving VERBATIM: While driving home from work on my usual route, I was driving about 45 mph, where the road changes from paved to gravel & then back to paved, some of the gravel had worn away, and the pavement acted as a speed bump when I went over it. The car shut off. I took the car in for repairs. The technician thinks it might be the ignition detent, because in a road test in the parking lot it also shut off.

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